

Developments of Roads and Drains at Attur,
Ananthapura, 3rd Phase Sanitary Core Areas
and Drilling of Borewells and Providing Pipe
line at SC/ST Areas in Ward No:03 and 04 of
Yelahanka Division (Package:09)"

EMB

**(Pre-Measurement Sheet
and**

Measurement Sheet)

Third and Part Bill

BRUHAT BANGALORE MAHANAGARA PALIKE

SCOPE OF WORK:- "Developments of Roads and Drains at Attur, Ananthapura, 3rd Phase Sanitary Core Areas and Drilling of Borewells and Providing Pipe line at SC/ST Areas in Ward No:03 and 04 of Yelahanka Division (Package:09)"

PRE MEASUREMENT SHEET

Chainage		Description of Item	Unit	No	Third and part bill			Breadth			Depth	Quantity	Remarks
From	To				Length (m)	B1	B2	Avg B	(m)				
Item no.1		Excavation for road, drains and similar works Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. and as per the directions of the Engineer-in-charge of the work.											
Measurements taken on		17.09.2021										1501.32	
		Quantity Measured in 1st RA Bill											
		Present Bill Measurements											
		For CC Drain											
		4th main											
		RHS (East Side)											
		main road - lakshmi venkateshwara house											
0	15.0		Cum	1	15.00	1.00	1.00	1.00	0.90		13.50		
15	30.9		Cum	1	15.90	1.00	1.00	1.00	0.90		14.31		
30.9	40.1		Cum	1	9.20	1.00	1.00	1.00	0.90		8.28		
40.1	57.8		Cum	1	17.70	1.00	1.00	1.00	0.80		14.16		
		LHS (West Side)											
0	15.0		Cum	1	15.00	1.00	1.00	1.00	0.90		13.50		
15	30.0		Cum	1	15.00	1.00	1.00	1.00	0.90		13.42		
30	40.5		Cum	1	10.50	1.00	1.00	1.00	0.90		9.40		
40.5	49.8		Cum	1	9.30	1.00	1.00	1.00	0.90		8.32		
49.8	57.3		Cum	1	7.50	1.00	1.00	1.00	0.90		6.71		
57.3	59.4		Cum	1	2.10	1.00	1.00	1.00	0.90		1.89		
		1st cross											
		Attur Main Road to 5th Main Road											
		LHS (North Side)											
0	22.3		Cum	1	22.30	1.05	1.05	1.05	0.90		21.07		
22.3	27.2	road break	Cum	1	12.50	1.10	1.10	1.10	0.90		12.38		
27.15	39.7		Cum	1	12.50	1.10	1.10	1.10	0.90		12.38		
39.65	52.2		Cum	1	0.60	1.10	1.10	1.10	0.90		0.54		
52.15	52.8												
52.75	57.8	road break											
57.75	70.7	House break/no work	Cum	1	12.50	1.10	1.10	1.10	0.90		12.38		
70.65	83.2												
83.15	88.4	road break	Cum	1	16.80	1.05	1.05	1.05	0.90		15.88		
88.4	105.2		Cum	1	8.10	1.05	1.05	1.05	0.85		7.23		
105.2	113.3												
		7th main											
		srinivasa nilaya to dead end											
		LHS											
0	15.0		Cum	1	15.00	1.00	1.00	1.00	0.90		13.43		
15	25.2		Cum	1	10.20	1.00	1.00	1.00	0.90		9.13		
		RHS											
0	15.2		Cum	1	15.20	1.05	1.05	1.05	0.90		14.28		
15.2	21.9		Cum	1	6.70	1.05	1.05	1.05	0.90		6.33		



Contractor

B. Prasad
Assistant Engineer

Assistant Executive Engineer

PRE MEASUREMENT SHEET											
Third and part bill											
Chainage		Description of Item	Unit	No	Breadth				Depth (m)	Quantity	Remarks
From	To				Length (m)	B1	B2	Avg B			
170.9	185.9		Cum	1	15.00	1.00	1.00	1.00	1.00	15.00	
185.9	200.9		Cum	1	15.00	1.00	1.00	1.00	1.00	15.00	
200.9	215.9		Cum	1	15.00	1.00	1.00	1.00	1.00	15.00	
215.9	230.9		Cum	1	15.00	1.00	1.00	1.00	1.00	15.00	
230.9	245.9		Cum	1	15.00	1.00	1.00	1.00	1.00	15.00	
245.9	248.7		Cum	1	2.80	1.00	1.00	1.00	1.00	2.80	
		For CC Culvert									
		5th Cross Road									
		4th main Road	Cum	1	4.80	1.55	1.55	1.55	0.80	5.95	
		5th main Road	Cum	1	5.55	1.55	1.55	1.55	0.80	6.88	
		6th main Road	Cum	1	5.40	1.55	1.55	1.55	0.80	6.70	
		7th main Road	Cum	1	5.25	1.55	1.55	1.55	0.80	6.51	
		8th main Road	Cum	1	4.50	1.55	1.55	1.55	0.80	5.40	
		SC ST Colony									
		Muneshwara Temple Road	Cum	1	5.60	1.50	1.50	1.50	0.85	7.14	
		8th cross Road	Cum	1	6.30	1.50	1.50	1.50	0.90	8.54	
			Cum	1	6.20	1.50	1.50	1.50	0.90	8.32	
Total Executed Quantity										2554.26	
Qty Carried to Summary										2554.26	

Contractor



B. K. R.
Assistant Engineer

Assistant Executive Engineer

PRE MEASUREMENT SHEET

Chainage		Description of Item	Unit	No	Third and part bill		Breadth		Depth	Quantity	Remarks
From	To				Length (m)	B1	B2	Avg B	(m)		
Item no.02		Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tipper, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. and as per the directions of the Engineer-in-charge of the work.									
Quantity Measured in 1st RA Bill										166.44	
Present Bill Measurements											
For CC Road											
SC/ ST Area											
Attur layout											
Muneshwara temple Road											
0	15.0	Cum	1	15.00	5.10	5.00	5.05	0.45	34.09		
15	30.0	Cum	1	15.00	5.00	5.00	5.00	0.45	33.75		
30	45.0	Cum	1	15.00	5.00	4.90	4.95	0.45	33.41		
45	60.0	Cum	1	15.00	4.90	4.50	4.70	0.45	31.73		
60	75.0	Cum	1	15.00	4.50	5.00	4.75	0.45	32.06		
75	90.0	Cum	1	15.00	5.00	5.10	5.05	0.45	34.09		
90	95.1	Cum	1	5.10	5.10	6.20	5.65	0.45	12.97		
95.1	97.4	Cum	1	2.30	6.20	6.60	6.40	0.45	6.62		
97.4	105.0	Cum	1	7.60	9.90	8.90	9.40	0.45	32.15		
5th Cross Road											
0	15.0	Cum	1	15.00	4.10	4.30	4.20	0.30	18.90		
15	30.0	Cum	1	15.00	4.30	4.10	4.20	0.30	18.90		
30	45.0	Cum	1	15.00	4.10	3.88	3.99	0.30	17.96		
45	60.0	Cum	1	15.00	3.88	3.20	3.54	0.30	15.93		
60	75.0	Cum	1	15.00	3.20	3.95	3.58	0.30	16.09		
75	90.0	Cum	1	15.00	3.95	3.35	3.65	0.30	16.43		
90	105.0	Cum	1	15.00	3.35	3.90	3.63	0.30	16.31		
105	120.0	Cum	1	15.00	3.90	3.35	3.63	0.30	16.31		
120	135.0	Cum	1	15.00	3.35	3.80	3.58	0.30	16.09		
135	150.0	Cum	1	15.00	3.80	3.60	3.70	0.30	16.65		
150	157.1	Cum	1	7.10	3.60	3.40	3.50	0.30	7.45		
0	15.0	Cum	1	15.00	3.40	3.20	3.30	0.30	14.85		
15	25.2	Cum	1	10.20	3.20	3.10	3.15	0.30	9.64		
8th main Rd											
0	15.0	Cum	1	15.00	4.05	4.35	4.20	0.30	18.90		
15	26.5	Cum	1	11.50	4.35	4.40	4.38	0.30	15.09		
7th main Rd											
0	15.0	Cum	1	15.00	4.70	4.60	4.65	0.30	20.93		
15	30.3	Cum	1	15.30	4.60	3.70	4.15	0.30	19.05		
6th main Rd											
0	15.0	Cum	1	15.00	4.00	4.25	4.13	0.30	18.56		
15	30.0	Cum	1	15.00	4.25	4.40	4.33	0.30	19.46		
30	39.5	Cum	1	9.50	4.40	4.40	4.40	0.30	12.51		
1st main Rd											
0	15.0	Cum	1	15.00	5.20	3.65	4.43	0.25	16.59		
15	30.0	Cum	1	15.00	3.65	4.00	3.83	0.25	14.34		
30	45.0	Cum	1	15.00	4.00	3.65	3.83	0.25	14.34		
45	60.0	Cum	1	15.00	3.65	3.20	3.43	0.25	12.84		
60	75.0	Cum	1	15.00	3.20	3.10	3.15	0.25	11.81		



Contractor

B. M. M. M.
Assistant Engineer

Assistant Executive Engineer

PRE MEASUREMENT SHEET											
Third and part bill											
Chainage		Description of Item	Unit	No	Length (m)	Breadth			Depth (m)	Quantity	Remarks
From	To					B1	B2	Avg B			
75	90.0		Cum	1	15.00	3.10	3.10	3.10	0.25	11.63	
90	105.0		Cum	1	15.00	3.10	3.60	3.35	0.25	12.56	
105	120.0		Cum	1	15.00	3.60	2.55	3.08	0.25	11.53	
120	135.0		Cum	1	15.00	2.55	2.60	2.58	0.25	9.66	
135	143.7		Cum	1	8.70	2.60	2.80	2.70	0.25	5.82	
		Deduction	Cum	-1	1.00	1.10	1.10	1.10	0.45	-0.45	
			Cum	-1	1.40	1.00	1.00	1.00	0.45	-0.63	
			Cum	-10	0.80	0.80	0.80	0.80	0.45	-4.50	
			Cum	-1	1.40	1.00	1.00	1.00	0.45	-0.63	
Total Executed Quantity										859.89	
Qty Carried to Summary										859.89	



Contractor

Assistant Engineer

Assistant Executive Engineer

PRE MEASUREMENT SHEET													
Third and part bill													
Chainage		Description of Item	Unit	No	Length			Breadth			Depth (m)	Quantity	Remarks
From	To				(m)	B1	B2	Avg B					
Item no.03		Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications and as per the directions of the Engineer-in-charge of the work.											
		Quantity Measured in 1st RA Bill										1743.48	
		Present Bill Measurements										18.09.2021	
		Qty Vide Item No 1+2	Cum								3414.15		
Total Executed Quantity											5157.63		
Qty Carried to Summary											5157.63		

Contractor



[Signature]
Assistant Engineer

[Signature]
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PRE MEASUREMENT SHEET													
Third and part bill													
Chainage		Description of Item	Unit	No	Length (m)	Breadth			Depth (m)	Quantity	Remarks		
From	To					B1	B2	Avg B					
Item no.04		Compaction of original ground by mechanical means including filling in depression occurring during rolling including cost of all labour, HOM complete as per specifications. and as per the directions of the Engineer-in-charge of the work.											
		Quantity Measured in 1st RA Bill									371.77		
		Present Bill Measurements										20.09.2021	
		SC/ ST Area											
		Attur layout											
		Muneshwara temple Road											
0	15.0		Sqm	1	15.00	5.10	5.00	5.08			75.75		
15	30.0		Sqm	1	15.00	5.00	5.00	5.00			75.00		
30	45.0		Sqm	1	15.00	5.00	4.90	4.95			74.25		
45	60.0		Sqm	1	15.00	4.90	4.50	4.70			70.50		
60	75.0		Sqm	1	15.00	4.50	5.00	4.75			71.25		
75	90.0		Sqm	1	15.00	5.00	5.10	5.05			75.75		
90	95.1		Sqm	1	5.10	5.10	6.20	5.65			28.82		
95.1	97.4		Sqm	1	2.30	6.20	6.60	6.40			14.72		
97.4	105.0		Sqm	1	7.60	9.90	8.90	9.40			71.44		
		5th Cross Road											
0	15.0		Sqm	1	15.00	4.10	4.30	4.20			63.00		
15	30.0		Sqm	1	15.00	4.30	4.10	4.20			63.00		
30	45.0		Sqm	1	15.00	4.10	3.88	3.99			59.85		
45	60.0		Sqm	1	15.00	3.88	3.20	3.54			53.10		
60	75.0		Sqm	1	15.00	3.20	3.95	3.58			53.65		
75	90.0		Sqm	1	15.00	3.95	3.35	3.65			54.75		
90	105.0		Sqm	1	15.00	3.35	3.90	3.63			54.38		
105	120.0		Sqm	1	15.00	3.90	3.35	3.63			54.38		
120	135.0		Sqm	1	15.00	3.35	3.80	3.58			53.63		
135	150.0		Sqm	1	15.00	3.80	3.60	3.70			55.50		
150	157.1		Sqm	1	7.10	3.60	3.40	3.50			24.85		
0	15.0		Sqm	1	15.00	3.40	3.20	3.30			49.50		
15	25.2		Sqm	1	10.20	3.20	3.10	3.15			32.13		
		8th main Rd											
0	15.0		Sqm	1	15.00	4.05	4.35	4.20			63.00		
15	26.5		Sqm	1	11.50	4.35	4.40	4.38			69.75		
		7th main Rd											
0	15.0		Sqm	1	15.00	4.70	4.60	4.65			69.75		
15	30.3		Sqm	1	15.30	4.60	3.70	4.15			63.50		
		6th main Rd											
0	15.0		Sqm	1	15.00	4.00	4.25	4.13			61.88		
15	30.0		Sqm	1	15.00	4.25	4.40	4.33			64.88		
30	39.5		Sqm	1	9.50	4.40	4.40	4.40			41.80		
		1st main Rd											
0	15.0		Sqm	1	15.00	5.20	3.65	4.43			66.38		
15	30.0		Sqm	1	15.00	3.65	4.00	3.85			57.38		
30	45.0		Sqm	1	15.00	4.00	3.65	3.83			57.38		
45	60.0		Sqm	1	15.00	3.65	3.20	3.43			51.38		
60	75.0		Sqm	1	15.00	3.20	3.10	3.15			47.28		
75	90.0		Sqm	1	15.00	3.10	3.10	3.10			46.50		
90	105.0		Sqm	1	15.00	3.10	3.60	3.35			50.25		

Contractor



B. N. N.
Assistant Engineer

Assistant Executive Engineer

PRE MEASUREMENT SHEET											
Third and part bill											
Chainage		Description of Item	Unit	No	Length (m)	Breadth			Depth (m)	Quantity	Remarks
From	To					B1	B2	Avg B			
105	120.0		Sqm	1	15.00	3.60	2.55	3.08		46.13	
120	135.0		Sqm	1	15.00	2.55	2.60	2.58		38.63	
135	143.7		Sqm	1	8.70	2.60	2.80	2.70		23.49	
		Deduction									
			Sqm	-1	1.00	1.10	1.10	1.10		-1.10	
			Sqm	-1	1.40	1.00	1.00	1.00		-1.40	
			Sqm	-10	0.80	0.80	0.80	0.80		-6.40	
			Sqm	-1	1.40	1.00	1.00	1.00		-1.40	
Total Executed Quantity										2490.47	
Qty Carried to Summary										2490.47	

Contractor



[Signature]
Assistant Engineer

Assistant Executive Engineer

PRE MEASUREMENT SHEET

Third and part bill

Chainage		Description of Item	Unit	No	Breadth			Depth (m)	Quantity	Remarks
From	To				Length (m)	B1	B2			
Item no.05		Providing and laying in position Plain cement concrete of Mix 1:4:8 with OPC @ 180 kgs, with 40mm and Down size graded granite metal course aggregate s@ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted , in foundation , including cost of all materials, labour, HOM curing complete as per specifications and as per the directions of the Engineer-in-charge of the work.								
Measurements taken on		Quantity Measured in 1st RA Bill							280.74	
		Present Bill Measurements								
		PCC For Drain								
		Attur layout								
		4th main								
		RHS (East Side)								
		main road - lakshmi venkateshwara house								
0	15.0	Cum	1	15.00	1.00	1.00	1.00	0.15	2.25	
15	30.9	Cum	1	15.90	1.00	1.00	1.00	0.15	2.39	
30.9	40.1	Cum	1	9.20	1.00	1.00	1.00	0.15	1.38	
40.1	57.8	Cum	1	17.70	1.00	1.00	1.00	0.15	2.66	
		LHS (West Side)								
0	15.0	Cum	1	15.00	1.00	1.00	1.00	0.15	2.25	
15	30.0	Cum	1	15.00	1.00	1.00	1.00	0.15	2.25	
30	40.5	Cum	1	10.50	1.00	1.00	1.00	0.15	1.58	
40.5	49.8	Cum	1	9.30	1.00	1.00	1.00	0.15	1.40	
49.8	57.3	Cum	1	7.50	1.00	1.00	1.00	0.15	1.13	
57.3	59.4	Cum	1	2.10	1.00	1.00	1.00	0.15	0.32	
		1st cross								
		Attur Main Road to 5th Main Road								
		LHS (North Side)								
0	22.3	Cum	1	22.30	1.05	1.05	1.05	0.15	3.51	
22.3	27.2	road break								
27.15	39.7	Cum	1	12.50	1.10	1.10	1.10	0.15	2.06	
39.65	52.2	Cum	1	12.50	1.10	1.10	1.10	0.15	2.06	
52.15	52.8	Cum	1	0.60	1.10	1.10	1.10	0.15	0.10	
52.75	57.8	road break								
57.75	70.7	House break/no work								
70.65	83.2	Cum	1	12.50	1.10	1.10	1.10	0.15	2.06	
83.15	88.4	road break								
88.4	105.2	Cum	1	16.80	1.05	1.05	1.05	0.15	2.65	
105.2	113.3	Cum	1	8.10	1.05	1.05	1.05	0.15	1.28	
		7th main								
		srinivasa nilaya to dead end								
		LHS								
0	15.0	Cum	1	15.00	1.00	1.00	1.00	0.15	2.25	
15	25.2	Cum	1	10.20	1.00	1.00	1.00	0.15	1.53	
		RHS								
0	15.2	Cum	1	15.20	1.05	1.05	1.05	0.15	2.39	
15.2	21.9	Cum	1	6.70	1.05	1.05	1.05	0.15	1.06	
21.9	31.9	Cum	1	10.00	1.05	1.05	1.05	0.15	1.58	

Contractor



[Signature]
Assistant Engineer

Assistant Executive Engineer

PRE MEASUREMENT SHEET

Third and part bill

Chainage		Description of Item	Unit	No	Length (m)	Breadth			Depth (m)	Quantity	Remarks
From	To					B1	B2	Avg B			
7th main Rd											
0	15.0		Cum	1	15.00	4.70	4.60	4.65	0.15	10.46	
15	30.3		Cum	1	15.30	4.60	3.70	4.15	0.15	9.52	
6th main Rd											
0	15.0		Cum	1	15.00	4.00	4.25	4.13	0.15	9.28	
15	30.0		Cum	1	15.00	4.25	4.40	4.33	0.15	9.73	
30	39.5		Cum	1	9.50	4.40	4.40	4.40	0.15	6.27	
1st main Rd											
0	15.0		Cum	1	15.00	5.20	3.65	4.43	0.15	9.96	
15	30.0		Cum	1	15.00	3.65	4.00	3.83	0.15	8.61	
30	45.0		Cum	1	15.00	4.00	3.65	3.83	0.15	8.61	
45	60.0		Cum	1	15.00	3.65	3.20	3.43	0.15	7.71	
60	75.0		Cum	1	15.00	3.20	3.10	3.15	0.15	7.09	
75	90.0		Cum	1	15.00	3.10	3.10	3.10	0.15	6.98	
90	105.0		Cum	1	15.00	3.10	3.60	3.35	0.15	7.54	
105	120.0		Cum	1	15.00	3.60	2.55	3.08	0.15	6.92	
120	135.0		Cum	1	15.00	2.55	2.60	2.58	0.15	5.79	
135	143.7		Cum	1	8.70	2.60	2.80	2.70	0.15	5.52	
Deduction											
			Cum	-1	1.00	1.10	1.10	1.10	0.15	-0.21	
			Cum	-1	1.40	1.00	1.00	1.00	0.15	-0.21	
			Cum	-10	0.80	0.80	0.80	0.80	0.15	-0.96	
			Cum	-1	1.40	1.00	1.00	1.00	0.15	-0.21	
Total Executed Quantity										766.10	
Qty Carried to Summary										766.10	



Contractor

Assistant Executive Engineer

Assistant Executive Engineer

PRE MEASUREMENT SHEET										
Third and part bill										
Chainage From To Item no.07	Description of Item	Unit	No	Length (m)	Breadth			Depth (m)	Quantity	Remarks
					B1	B2	Avg B			
	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. and as per the directions of the Engineer-in-charge of the work.									
Measurements taken on	Quantity Measured in 1st RA Bill								33.52	
	Present Bill Measurements									22.09.2021
	Drain	Tonne		From Steel Calculation Sheet					20.07	
	Culvert	Tonne		From Steel Calculation Sheet					3.25	
Total Executed Quantity								36.84		
Total Executed Quantity								36.84		



Contractor

PMC

R. V. N.
Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

ME OF WORK:- "Developments of Roads and Drains at Attur, Ananthapura, 3rd Phase Sanitary Core Areas and
ling of Borewells and Providing Pipe line at SC/ST Areas in Ward No:03 and 04 of Yelahanka Division (Package:09)"

PRE MEASUREMENT SHEET

Third and part bill

STEEL CALCULATION

NO	Description	Nos	BAR DIA mm	No. Bars	Total No. bars	Length m	Total Length m	Weight kg/m	Total weight Kg's
n No. 04	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. and as per the directions of the Engineer-in-charge of the work.								
Measurements Taken On;		22.09.2021.							
	For RCC Drain								
	Attur layout								
	4th main								
	RHS (East Side)								
	main road - lakshmi venkateshwara house								
	Main Bars (#12@160 c/c)	1	12	361	361	2.25	812.81	0.89	721.63
	Distribution(14-#8)	1	8	14	14	57.80	809.20	0.39	319.20
	LHS (West Side)								
	Main Bars (#12@160 c/c)	1	12	371	371	2.25	835.31	0.89	741.60
	Distribution(14-#8)	1	8	14	14	59.40	831.60	0.39	328.14
	1st cross								
	Attur Main Road to 5th Main Road								
	LHS (North Side)								
	Main Bars (#12@160 c/c)	1	12	533	533	2.40	1279.50	0.89	1135.96
	Distribution(14-#8)	1	8	14	14	85.30	1194.20	0.39	471.21
	7th main								
	srinivasa nilaya to dead end								
	LHS								
	Main Bars (#12@160 c/c)	1	12	158	158	2.25	354.38	0.89	314.62
	Distribution(14-#8)	1	8	14	14	25.20	352.80	0.39	139.21
	RHS								
	Main Bars (#12@160 c/c)	1	12	199	199	2.25	448.59	0.89	398.27
	Distribution(14-#8)	1	8	14	14	31.90	446.60	0.39	176.22

factor



[Signature]
Assistant Engineer

Assistant Executive Engineer

PRE MEASUREMENT SHEET									
Third and part bill									
STEEL CALCULATION									
NO	Description	Nos	BAR DIA	No. Bars	Total No. bars	Length	Total Length	Weight	Total weight
			mm			m	m	kg/m	Kg's
	8th cross Road								
	16# @140 c/c main bars	1	16	45	45	5.00	225.00	1.58	355.13
	12# @200 c/c Distribution bars	1	12	25	25	6.30	157.50	0.89	139.83
	8th cross Road								
	16# @140 c/c main bars	1	16	44	44	5.00	221.43	1.58	349.86
	12# @200 c/c Distribution bars	1	12	25	25	6.20	155.00	0.89	137.75
QTY IN KG'S									3247.54
QTY IN TONNE									3.25
TOTAL QTY IN KG'S									23319.55
TOTAL QTY IN TONNE									23.32



Factor

[Signature]
Assistant Engineer

Assistant Executive Engineer

PRE MEASUREMENT SHEET

Third and part bill

Chainage		Description of Item	Unit	No	Breadth			Depth (m)	Quantity	Remarks
From	To				Length (m)	B1	B2			
Item no.10		Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. and as per the directions of the Engineer-in-charge of the								
Measurements taken on										
		Quantity Measured in 1st RA Bill								74.35
		Present Bill Measurements								
		30.09.2021								
		SC/ST Area								
		Attur layout								
		Muneshwara temple Road								
0	15.0	Cum	1	15.00	5.10	5.00	5.05	0.15	11.36	
15	30.0	Cum	1	15.00	5.00	5.00	5.00	0.15	11.25	
30	45.0	Cum	1	15.00	5.00	4.90	4.95	0.15	11.14	
45	60.0	Cum	1	15.00	4.90	4.50	4.70	0.15	10.58	
60	75.0	Cum	1	15.00	4.50	5.00	4.75	0.15	10.69	
75	90.0	Cum	1	15.00	5.00	5.10	5.05	0.15	11.36	
90	95.1	Cum	1	5.10	5.10	6.20	5.65	0.15	4.32	
95.1	97.4	Cum	1	2.30	6.20	6.60	6.40	0.15	2.21	
97.4	105.0	Cum	1	7.60	9.90	8.90	9.40	0.15	10.72	
		5th Cross Road								
0	15	Cum	1	15.00	4.10	4.30	4.20	0.15	9.45	
15	30	Cum	1	15.00	4.30	4.10	4.20	0.15	9.45	
30	45	Cum	1	15.00	4.10	3.88	3.99	0.15	8.98	
45	60	Cum	1	15.00	3.88	3.20	3.54	0.15	7.97	
60	75	Cum	1	15.00	3.20	3.95	3.58	0.15	8.04	
75	90	Cum	1	15.00	3.95	3.35	3.65	0.15	8.21	
90	105	Cum	1	15.00	3.35	3.90	3.63	0.15	8.16	
105	120	Cum	1	15.00	3.90	3.35	3.63	0.15	8.16	
120	135	Cum	1	15.00	3.35	3.80	3.58	0.15	8.04	
135	150	Cum	1	15.00	3.80	3.60	3.70	0.15	8.33	
150	157.1	Cum	1	7.10	3.60	3.40	3.50	0.15	3.73	
0	15	Cum	1	15.00	3.40	3.20	3.30	0.18	7.43	
15	25.2	Cum	1	10.20	3.20	3.10	3.15	0.15	4.82	
		8th main Rd								
0	15	Cum	1	15.00	4.05	4.35	4.20	0.15	9.45	
15	26.5	Cum	1	11.50	4.35	4.40	4.38	0.15	7.55	
		7th main Rd								
0	15	Cum	1	15.00	4.70	4.60	4.65	0.15	10.46	
15	30.3	Cum	1	15.30	4.60	3.70	4.15	0.15	9.52	
		6th main Rd								
0	15	Cum	1	15.00	4.00	4.25	4.13	0.15	9.28	
15	30	Cum	1	15.00	4.25	4.40	4.33	0.15	9.73	
30	39.5	Cum	1	9.50	4.40	4.40	4.40	0.15	6.27	
		Deduction								
		Cum	-1	1.00	1.10	1.10	1.10	0.15	-0.17	
		Cum	-1	1.40	1.00	1.00	1.00	0.15	-0.21	
		Cum	-10	0.80	0.80	0.80	0.80	0.15	-0.98	
		Cum	-1	1.40	1.00	1.00	1.00	0.15	-0.21	
Total Executed Quantity									319.44	
Total Executed Quantity									319.44	

Contractor



Assistant Engineer

Assistant Executive Engineer

PRE MEASUREMENT SHEET

Third and part bill

Chainage		Third and part bill										
From	To	Description of Item	Unit	No	Length	Breadth			Depth	Quantity	Remarks	
					(m)	B1	B2	Avg B	(m)			
Item No.16		Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Geophysical investigation of existing Ground Water in the vicinity, its quality f 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging technical personal and labour required etc. and as per the directions of the Engineer-in-charge of the work.										
Measurements taken on		20.09.2021										
		madeshwara layout, Doddbettahalli	Each BW	1							1.00	1
		Spandana nilaya house Road, Ananthpura Road	Each BW	1							1.00	
		Dharmasiddi house Road, Aditya nagara	Each BW	1							1.00	
										Total Executed Quantity	3.00	
										Total Executed Quantity	3.00	




Assistant Engineer

Assistant Executive Engineer

PRE MEASUREMENT SHEET

Third and part bill											
Chainage		Description of Item	Unit	No	Length	Breadth			Depth	Quantity	Remarks
From	To				(m)	B1	B2	Avg B	(m)		
Item No.21		Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strats including over burden. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,complete and as per the directions of the Engineer-in-charge of the work 200 to 250 m									
Measurements taken on		21.09.2021									
		madeshwara layout, Doddbettahalli	Rmtr	1	50.00					50.00	
		Spandana nilaya house Road,Ananthpura Road	Rmtr	1	50.00					50.00	
		Dharmasiddi house Road,Aditya nagara	Rmtr	1	50.00					50.00	
Total Executed Quantity										150.00	
Total Executed Quantity										150.00	



Contractor

Assistant Engineer

Assistant Executive Engineer

PRE MEASUREMENT SHEET

Third and part bill											
Chainage		Description of Item	Unit	No	Length	Breadth			Depth	Quantity	Remarks
From	To				(m)	B1	B2	Avg B	(m)		
Item No.24		Providing and fixing to wall, ceiling and floor galvanised / mild steel tube nominal bore with fittings (medium grade weight 1.27kg/mtr) B class including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification and as per the directions of the Engineer-in-charge of the work.									
Measurements taken on		21.09.2021									
		madeshwara layout, Doddbettahalli	Rmtr	54	6.00					324.00	
		Spandana nilaya house Road, Ananthpura Road	Rmtr	60	6.00					360.00	
		Dharmasiddi house Road, Aditya nagara	Rmtr	58	6.00					348.00	
Total Executed Quantity										1032.00	
Total Executed Quantity										1032.00	



Contractor

Assistant Engineer

Assistant Executive Engineer

PRE MEASUREMENT SHEET

Third and part bill

Chainage		Description of Item	Unit	No	Breadth			Depth	Quantity	Remarks	
From	To				Length	B1	B2	Avg B			(m)
Item No.26		roviding and fixing MS casing collars as per IS 1239 (part-II) 1982 with all latest amendments if any for any dia. The thickness of plate used for covering one end shall be 3mm (minimum). The dimensions of caps and colars shall be strictly as per IS 1239 (PartII) 1982 with all amendments and directions as per Engineer in charge of work.									
Measurements taken on		21.09.2021									
		madeshwara layout, Doddbettahalli	Each	10					10.00	Total Executed Quantity 33.00	
		Spandana nilaya house Road,Ananthpura Road	Each	12					12.00		
		Dharmasiddi house Road,Aditya nagara	Each	11					11.00		
		Total Executed Quantity								33.00	
		Total Executed Quantity								33.00	



PRE MEASUREMENT SHEET

Third and part bill

Chainage		Description of Item	Unit	No	Breadth			Depth	Quantity	Remarks
From	To				Length	B1	B2	Avg B		
Item No.28		Submersible Cable 1x3x10.0 Sq.mm and as per the directions of the Engineer-in-charge of the work.								
Measurements taken on		30.09.2021								
		madeshwara layout, Doddbettahalli	Mtr	2	325.00				650.00	c & r
		Spandana nilaya house Road, Ananthpura Road	Mtr	2	361.00				722.00	
		Dharmasiddi house Road, Aditya nagara	Mtr	2	349.00				698.00	
Total Executed Quantity									2070.00	
Total Executed Quantity									2070.00	

PRE MEASUREMENT SHEET

Third and part bill

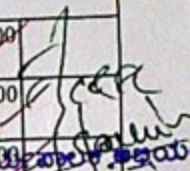
Third and part bill											
Chainage		Description of Item	Unit	No	Length	Breadth			Depth	Quantity	Remarks
From	To				(m)	B1	B2	Avg B	(m)		
Item No.30		Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications and directions as per Engineer in charge of work.									
Measurements taken on		21.09.2021									
		madeshwara layout, Doddbettahalli	Rmtr	1	20.00					20.00	✓ c&f Kallu ಸಹಾಯಕ ಕಾರ್ಯವಾಹನ ಲೇವಿಯಂತರ ಯಾವುದೇ ಕಾರ್ಯಗಾರ ಕುಸುಬಿಗಾರ ಕೆಲಸವೂ ಇಲ್ಲವಾಗಿರುವುದರಿಂದ Total Executed Quantity 60.00 Total Executed Quantity 60.00
		Spandana nilaya house Road, Ananthpura Road	Rmtr	1	20.00					20.00	
		Dharmasiddi house Road, Aditya nagara	Rmtr	1	20.00					20.00	
										20.00	



[Signature]

PRE MEASUREMENT SHEET

Third and part bill

Chainage		Description of Item	Unit	No	Length		Breadth		Depth	Quantity	Remarks
From	To				(m)		B1	B2	Avg B		
Item No.32		Supply and fixing polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws 20"x20"x2.5" and directions as per Engineer in charge of work.									
Measurements taken on		30.09.2021									
		madeshwara layout, Doddbettahalli	Each	1						1.00	
		Spandana nilaya house Road, Ananthpura Road	Each	1						1.00	
		Dharmasiddi house Road, Aditya nagara	Each	1							
Total Executed Quantity										3.00	
Total Executed Quantity										3.00	

ಸಹಾಯಕ ಕಾರ್ಯದರ್ಶಿ, ಕೆಆರ್‌ಐಡಿ
ಯು.ಪಂ.ಕೆ. ಉಪನಿರ್ದೇಶಕರು
ಬೆಂಗಳೂರು-16

P.V.R.



B. S. A.

Assistant Engineer

Assistant Executive Engineer

PRE MEASUREMENT SHEET

Chainage		Description of Item	Third and part bill							Quantity	Remarks	
From	To		Unit	No	Length (m)	Breadth			Depth (m)			
						B1	B2	Avg B				
Item No.37		Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. and as per the directions of the Engineer-in-charge of the work.										
Measurements taken on		30.09.2021										
		madeshwara layout, Doddbettahalli	Nos	1							1.00	✓
		Spandana nilaya house Road, Ananthpura Road	Nos	1							1.00	✓
		Dharmasiddi house Road, Aditya nagara	Nos	1							1.00	✓
											Total Executed Quantity	3.00
											Total Executed Quantity	3.00



Signature

PRE MEASUREMENT SHEET

Chainage		Third and part bill									
From	To	Description of Item	Unit	No	Length	Breadth			Depth	Quantity	Remarks
Item No.42					(m)	B1	B2	Avg B	(m)		
		Supply and Installation / Fixing / Provision of Outdoor type Thermoplastic Modular Panel enclosure with transparent Polycarbonate Lid, shock proof, IP65 (Weather Proof), rust proof, dust proof, water proof, corrosion proof having internally Embedded gasket on both lid and flap suitable to fix Single Phase / Three Phase Energy Meter in suitable base plate and having a provision for Fuse / MCB cutout with suitable transparent hinged flap opening for operating MCB along with complete tamper proof SEALING facility 600mmx600mmx170mm and directions as per Engineer in charge of work.									
Measurements taken on		30-09-2021									
		madeshwara layout, Doddbettahalli	Nos	1						1.00	
		Spandana nilaya house Road, Ananthpura Road	Nos	1						1.00	
		Dharmasiddi house Road, Aditya nagara	Nos	1						1.00	
					Total Executed Quantity 3.00						
					Total Executed Quantity 3.00						

PRE MEASUREMENT SHEET

Chainage		Description of Item	Third and part bill									
From	To		Unit	No	Length	Breadth			Depth	Quantity	Remarks	
Item No.44					(m)	B1	B2	Avg B	(m)			
		Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete 50 mm dia. and directions as per Engineer in charge of work.										
Measurements taken on												
		30-09-2021										
		madeshwara layout, Doddbettahalli	Nos	1							1.00	
		Spandana nilaya house Road, Ananthpura Road	Nos	1							1.00	
		Dharmasiddi house Road, Aditya nagara	Nos	1							1.00	
Total Executed Quantity 3.00												
Total Executed Quantity 3.00												

30-09-2021

PRE MEASUREMENT SHEET

Third and part bill

Chainage		Description of Item	Unit	No	Third and part bill					Quantity	Remarks
From	To				Length (m)	Breadth			Depth (m)		
Item No.45						B1	B2	Avg B			
Earth work excavation by manual means for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, and directions as per Engineer in charge of work.											
Measurements taken on		08.10.2021									
		madeshwara layout, Doddbettahalli									
		Venkateshwara Road									
0	30.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
30	60.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
60	70.0		Cum	1	10.00	0.60	0.60	0.60	0.70	4.20	
		KEB Office Opposite Road									
0	30.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
30	60.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
60	90.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
90	120.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
120	150.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
0	30.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
30	60.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
60	90.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
90	120.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
120	150.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
150	180.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
180	200.0		Cum	1	20.00	0.60	0.60	0.60	0.70	8.40	
0	30.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
30	60.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
60	90.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
90	120.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
120	126.0		Cum	1	6.00	0.60	0.60	0.60	0.70	2.52	
		Spandana nilaya house									
		Road, Ananthpura Road									
		Suresh House Bach Side									
0	30.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
30	57.0		Cum	1	27.00	0.60	0.60	0.60	0.70	11.34	
		Suresh House To Ashwath Katta									
0	30.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
30	60.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
60	90.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
90	120.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
0	30.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
30	60.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
60	90.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
90	120.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	



PRE MEASUREMENT SHEET

Third and part bill

Third and part bill											
Chainage		Description of Item	Unit	No	Length	Breadth			Depth	Quantity	Remarks
From	To				(m)	B1	B2	Avg B	(m)		
		Anathapura									
		4th Cross Road									
0	30.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
30	60.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
60	90.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
90	120.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
		3rd Cross Road									
0	30.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
30	40.0		Cum	1	10.00	0.60	0.60	0.60	0.70	4.20	
		10th Cross Road									
0	30.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
30	60.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
60	80.0		Cum	1	20.00	0.60	0.60	0.60	0.70	8.40	
		9th Cross Road									
0	30.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
30	60.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
60	90.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
90	120.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
		8th Cross Road									
0	30.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
30	60.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
60	90.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
90	120.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
120	130.0		Cum	1	10.00	0.60	0.60	0.60	0.70	4.20	
		10th C Cross Road									
0	30.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
		10th D Cross Road									
0	30.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
		Dharmasiddi house Road, Aditya nagara									
		Jyothi Layout									
0	30.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
30	60.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
60	90.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
90	120.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
120	150.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
150	180.0		Cum	1	30.00	0.60	0.60	0.60	0.70	12.60	
180	200.0		Cum	1	20.00	0.60	0.60	0.60	0.70	8.40	
Total Executed Quantity										1054.62	
Total Executed Quantity										1054.62	



B. V. R.

Assistant Executive Engineer

Developments of Roads and Drains at Attur,
Ananthapura, 3rd Phase Sanitary Core Areas and
Drilling of Borewells and Providing Pipe line at
SC/ST Areas in Ward No:03 and 04 of Yelahanka
Division (Package:09)"

EMB

**Third and Part Bill
Measurement Sheet**

**Measurements Taken On :
MEASUREMENT SHEET**

Third and part bill

Description of Item	Unit	No	Length	Breadth		Depth	Quantity	Rate in	Amount in
			(m)	B1	B2	(m)		RS.	RS.

Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs. With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machine mixed, well compacted for wall and Bottom including centering shuttering, cost of materials, HOM of Machinery, Curing Etc., Complete Excluding cost of Steel as per morth MORTH specification and as per the directions of the Engineer-in-charge of the work.

Quantity Measured in 1st RA Bill 550.58

Present Bill Measurements

27.09.2021

Bottom Raft									
Attur layout									
4th main									
RIIS (East Side)									
main road - lakshmi venkateshwara house	Cum	1	15.00	0.90	0.90	0.90	0.15	2.03	
	Cum	1	15.90	0.90	0.90	0.90	0.15	2.15	
	Cum	1	9.20	0.90	0.90	0.90	0.15	1.24	
	Cum	1	17.70	0.90	0.90	0.90	0.15	2.39	
LIIS (West Side)									
	Cum	1	15.00	0.90	0.90	0.90	0.15	2.03	
	Cum	1	15.00	0.90	0.90	0.90	0.15	2.03	
	Cum	1	10.50	0.90	0.90	0.90	0.15	1.42	
	Cum	1	9.30	0.90	0.90	0.90	0.15	1.20	
	Cum	1	7.50	0.90	0.90	0.90	0.15	1.01	
	Cum	1	2.10	0.90	0.90	0.90	0.15	0.28	
1st cross									
LIIS (North Side)									
Attur Main Road to 5th Main Road	Cum	1	22.30	0.95	0.95	0.95	0.15	3.18	
road break	Cum	1	12.50	1.00	1.00	1.00	0.15	1.88	
	Cum	1	12.50	1.00	1.00	1.00	0.15	1.88	
	Cum	1	0.60	1.00	1.00	1.00	0.15	0.09	
road break									
House break/no work	Cum	1	12.50	1.00	1.00	1.00	0.15	1.88	
road break	Cum	1	16.80	0.95	0.95	0.95	0.15	2.39	
	Cum	1	8.10	0.95	0.95	0.95	0.15	1.15	
7th main									
srinivasa nilaya to dead end									
LIIS	Cum	1	15.00	0.90	0.90	0.90	0.15	2.03	
	Cum	1	10.20	0.90	0.90	0.90	0.15	1.38	
RIIS	Cum	1	15.20	0.95	0.95	0.95	0.15	2.10	
	Cum	1	6.70	0.95	0.95	0.95	0.15	0.98	
	Cum	1	10.00	0.95	0.95	0.95	0.15	1.42	
8th main									
RIIS(East Side)									
From 5th Cross to Dead End	Cum	1	15.00	0.90	0.90	0.90	0.15	2.03	

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ಕೆ.ಎಂ.ಕೆ. 27/9/2021



B. Srinivas
Assistant Engineer

Assistant Executive Engineer

Measurements Taken On :

MEASUREMENT SHEET

Third and part bill

Description of Item	Unit	No	Length (m)	Breadth			Depth (m)	Quantity	Rate in RS.	Amount in RS.
				B1	B2	Avg B				
5th main Road	Cum	1	5.55	1.25	1.25	1.25	0.15	1.04		
6th main Road	Cum	1	5.40	1.25	1.25	1.25	0.15	1.07		
7th main Road	Cum	1	5.25	1.25	1.25	1.25	0.15	0.98		
8th main Road	Cum	1	4.50	1.25	1.25	1.25	0.15	0.84		
SC ST Colony										
Muneshwara Temple Road	Cum	1	5.60	1.20	1.20	1.20	0.15	1.02		
8th cross Road	Cum	1	6.30	1.20	1.20	1.20	0.15	1.13		
	Cum	1	6.20	1.20	1.20	1.20	0.15	1.12		
Side Wall										
5th Cross Road										
4th main Road	Cum	2	4.80	0.23	0.23	0.23	0.50	1.10		
5th main Road	Cum	2	5.55	0.23	0.23	0.23	0.50	1.28		
6th main Road	Cum	2	5.40	0.23	0.23	0.23	0.50	1.24		
7th main Road	Cum	2	5.25	0.23	0.23	0.23	0.50	1.21		
8th main Road	Cum	2	4.50	0.23	0.23	0.23	0.50	1.04		
SC ST Colony										
Muneshwara Temple Road	Cum	2	5.60	0.23	0.23	0.23	0.55	1.42		
8th cross Road	Cum	2	6.30	0.23	0.23	0.23	0.60	1.74		
	Cum	2	6.20	0.23	0.23	0.23	0.60	1.72		
Sub Total								18.77		
								909.64		
Total Executed Quantity								955.76		
Tender Quantity								550.58		
DPQ Quantity Paid in 2nd RA Bill								359.06	7421.59	2664780.00

Total Executed Quantity

Tender Quantity

DPQ Quantity Paid in 2nd RA Bill

Now To be Paid Qty

Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. and as per the directions of the Engineer-in-charge of the work.

Tonne										
Vide Total executed Quantity from premeasurement Page no.								56.84		
Total Executed Quantity								56.84		
Tender Quantity								58.07		
DPQ Quantity Paid in 2nd RA Bill								33.52		
Now To be Paid Qty								23.32	78962.59	1841372.00

Supply and fixing Precast reinforced concrete slab 10cm thick including cost of reinforcement as per design and drawing, material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials. and as per the directions of the Engineer-in-charge of the work.

Quantity Measured in 1st RA Bill								1123.11		
Present Bill Measurements										
Attur layout										
4th main										
RIIS (East Side)										
main road - lakshmi										
venkateshwara house										
Sqm	1	15.00	0.75	0.75	0.75	0.75		11.28		
Sqm	1	15.90	0.78	0.75	0.75	0.75		11.93		
Sqm	1	9.20	0.00	0.00	0.00	0.00		0.00		
Sqm	1	17.20	0.75	0.75	0.75	0.75		13.28		



R. Anil Kumar
Assistant Engineer

Assistant Executive Engineer

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ಯಲಕಂಟ/ಗ್ರಾ.ಪಂ.ಕೆ.ಉಪವಿಭಾಗ
ಬಿ.ಐ.ಎಂ.ಪಿ. ಕೋಡ್-105

**Measurements Taken On :
MEASUREMENT SHEET**

Third and part bill

Third and part bill										
Description of Item	Unit	No	Length	Breadth			Depth	Quantity	Rate in RS.	Amount in RS.
			(m)	B1	B2	Avg B	(m)			
LHS										
From Anugraha House to Dead End										
no work (house break)	Sqm	1	14.80	0.00	0.00	0.00		0.00		
	Sqm	1	7.60	0.90	0.90	0.90		6.84		
	Sqm	1	4.30	0.00	0.00	0.00		0.00		
no work (house break)	Sqm	1	12.50	0.00	0.00	0.00		0.00		
5th cross										
LHS (North Side)										
Muneshwara Swamy Road to 9th Main Road										
New Culvert	Sqm	1	0.00	0.00	0.00	0.00		0.00		
	Sqm	1	8.00	0.75	0.75	0.75		6.00		
	Sqm	1	0.70	0.00	0.00	0.00		0.00		
	Sqm	1	8.20	0.75	0.75	0.75		6.15		
	Sqm	1	3.10	0.00	0.00	0.00		0.00		
	Sqm	1	5.70	0.75	0.75	0.75		4.28		
	Sqm	1	1.10	0.75	0.75	0.75		0.83		
new culvert	Sqm	1	13.30	0.75	0.75	0.75		9.98		
	Sqm	1	12.90	0.75	0.75	0.75		9.68		
new culvert	Sqm	1	12.10	0.75	0.75	0.75		9.08		
	Sqm	1	7.00	0.00	0.00	0.00		0.00		
	Sqm	1	4.90	0.75	0.75	0.75		3.68		
new culvert	Sqm	1	13.50	0.00	0.00	0.00		0.00		
House break/no work	Sqm	1	12.00	0.00	0.00	0.00		0.00		
no slab	Sqm	1								
new culvert	Sqm	1	15.00	0.75	0.75	0.75		11.25		
	Sqm	1	10.00	0.75	0.75	0.75		7.50		
RHS (South Side)										
From House No 364 To Borewell Point										
	Sqm	1	14.00	0.90	0.90	0.90		12.60		
SC/ST Area										
Attur layout										
Muneshwara temple Road										
LHS										
	Sqm	1	15.00	0.90	0.90	0.90		13.50		
	Sqm	1	15.00	0.90	0.90	0.90		13.50		
	Sqm	1	15.00	0.90	0.90	0.90		13.50		
	Sqm	1	13.90	0.90	0.90	0.90		12.51		
	Sqm	1	17.30	0.00	0.00	0.00		0.00		
	Sqm	1	18.70	0.90	0.90	0.90		16.83		
8th cross Road										
RHS										
	Sqm	1	8.20	0.90	0.90	0.90		7.38		
	Sqm	1	15.00	0.90	0.90	0.90		13.50		
	Sqm	1	15.00	0.90	0.90	0.90		13.50		
	Sqm	1	13.10	0.90	0.90	0.90		11.79		
	Sqm	1	15.00	0.90	0.90	0.90		13.50		
	Sqm	1	15.30	0.90	0.90	0.90		13.77		

22K

Calicut

ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಅಧೀನ
ಯುಪಕರಣ ಉಪನಿಗರ ಉಪನಿಗರ
ಇ.ಸಿ.ಎಂ.ಎ. ಅಂಗಡ

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ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಮುಖ್ಯಮಂತ್ರಿ
ಯೋಜನೆ ಮತ್ತು ಸಾರ್ವಜನಿಕ ಕಾರ್ಯದ
ಇ.ಸಿ.ಎಂ.ಎ. ಅಧೀನದಲ್ಲಿ-106



Handwritten signature
Assistant Engineer

Assistant Executive Engineer

Measurements Taken On :

MEASUREMENT SHEET

Third and part bill

No	Description of Item	Unit	No	Length	Breadth			Depth	Quantity	Rate in RS.	Amount in RS.
				(m)	B1	B2	Avg B	(m)			
	Muneshwara Temple Road	Sqm	1	5.60	1.20	1.20	1.20		6.72		
	8th cross Road	Sqm	1	6.30	1.20	1.20	1.20		7.56		
		Sqm	1	6.20	1.20	1.20	1.20		7.44		
	Total Executed Quantity								150.60		
	Tender Quantity								228.60		
	DPQ Quantity Paid in 2nd RA Bill								98.28		
	Now To be Paid Qty								52.32	5687.27	297558.00

Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. and as per the directions of the Engineer-in-charge of the work.

Cum									319.44		
Vide Total executed Quantity from premeasuremet	Page no.								319.44		
Total Executed Quantity									1630.62		
Tender Quantity									74.35		
DPQ Quantity Paid in 2nd RA Bill									245.09	2094.07	513245.00
Now To be Paid Qty											

Constructing of un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum fine aggregates at 0.46 cum, Coarse and fine aggregate confirming to IS 383-2016, with Superplastisiser at 3 lts confirming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rakers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, including groove cutting charges, joint filler, separation membrane of impermeable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour, hire charges of machines, all lead and lift charges etc., complete as per specifications. -and as per the directions of the Engineer-in-charge of the work.

Quantity Measured in 1st RA Bill									55.76		
Present Bill Measurements											

SC/ ST Area		Attur layout		Muneshwara temple Road				
15	Cum	1	15.00	5.10	5.00	5.05	0.15	11.36
30	Cum	1	15.00	5.00	5.00	5.00	0.15	11.25
45	Cum	1	15.00	5.00	4.90	4.95	0.15	11.14
60	Cum	1	15.00	4.90	4.50	4.70	0.15	10.58
75	Cum	1	15.00	4.50	5.00	4.75	0.15	10.69
90	Cum	1	15.00	5.00	5.10	5.05	0.15	11.36
95.1	Cum	1	5.10	5.10	6.20	5.65	0.15	4.32
97.4	Cum	1	2.30	6.20	6.60	6.40	0.15	2.21
105	Cum	1	7.60	9.90	8.90	9.40	0.15	10.72
5th Cross Road								
15	Cum	1	15.00	4.10	4.30	4.20	0.15	9.45
30	Cum	1	15.00	4.30	4.10	4.20	0.15	9.45
45	Cum	1	15.00	4.10	3.88	3.99	0.15	8.98
60	Cum	1	15.00	3.88	3.20	3.54	0.15	7.97
75	Cum	1	15.00	3.20	3.95	3.58	0.15	8.04
90	Cum	1	15.00	3.95	3.35	3.65	0.15	8.21
105	Cum	1	15.00	3.35	3.90	3.63	0.15	8.16
120	Cum	1	15.00	3.90	3.35	3.63	0.15	8.16
135	Cum	1	15.00	3.35	3.80	3.58	0.15	8.04
150	Cum	1	15.00	3.80	3.60	3.70	0.15	8.33
157.1	Cum	1	7.10	3.60	3.40	3.50	0.15	3.73
15	Cum	1	15.00	3.40	3.20	3.30	0.15	7.43
25.2	Cum	1	10.20	3.20	3.10	3.15	0.15	4.82



[Signature]
Assistant Engineer

Assistant Executive Engineer

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Third and part bill

Now to be Paid	317.81	340.54
Quantity upto 125%		
Providing and fixing pre cast solid cement concrete kerb stones made out of C.C 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete. and as per the directions of the Engineer-in-charge of the work.		

Quantity Measured in 1st RA Bill		2077.00	
Present Bill Measurements			
Attur layout			
1st Cross Rd			
RHS			
11.2	m	1	11.20
13.1	no work	m	0.00
18.6	m	1	5.50
24.3	road break	m	0.00
50.3	no work	m	0.00
54.6	road break	m	0.00
81.8	no work	m	0.00
85.8	road break	m	0.00
93.5	no work	m	0.00
99.1	m	1	5.60
113.2	no work	m	0.00
119.5	road break	m	0.00
130.5	m	1	11.00

Assistant Engineer

Assistant Executive Engineer

Measurements Taken On :
MEASUREMENT SHEET

S.No	Description of Item	Unit	No	Third and part bill			Depth (m)	Quantity	Rate in RS.	Amount in RS.
				Length (m)	B1	B2				
15	LHS	Sqm	1	15.00			0.40	6.00		
30		Sqm	1	15.00			0.40	6.00		
45		Sqm	1	15.00			0.40	6.00		
60		Sqm	1	15.00			0.40	6.00		
75		Sqm	1	15.00			0.40	6.00		
90		Sqm	1	15.00			0.40	6.00		
105		Sqm	1	15.00			0.40	5.60		
120		Sqm	1	14.00			0.40	0.00		
134	no work	Sqm	1	0.00			0.40	4.76		
146.4		Sqm	1	11.90			0.40	0.00		
158.3	no work	Sqm	1	0.00			0.40	6.00		
170.9		Sqm	1	15.00			0.40	6.00		
185.9		Sqm	1	15.00			0.40	6.00		
200.9		Sqm	1	15.00			0.40	6.00		
215.9		Sqm	1	15.00			0.40	7.12		
230.9		Sqm	1	17.80			0.40			
248.7		Sqm	1	15.00			0.40	6.00		
265		Sqm	1	15.00			0.40	3.00		
280		Sqm	1	7.50			0.40			
297.5								876.23		
								1681.68		
	Total Executed Quantity							373.94		
	Tender Quantity							502.28	41.17	20679.00
	DPO Quantity Paid in 2nd RA Bill									
	Now To be Paid Qty									

Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials labour complete as per specifications and directions of the Engineer in charge.

02.11.2021.

Quantity Measured in 1st RA Bill								373.94		
Present Bill Measurements										
Attur layout										
1st Cross Rd										
	RHS									
2		Sqm	1	11.20			0.40	4.48		
1	no work	Sqm	1	0.00			0.40	0.00		
6		Sqm	1	5.50			0.40	2.20		
13	road break	Sqm	1	0.00			0.40	0.00		
13	no work	Sqm	1	0.00			0.40	0.00		
6	road break	Sqm	1	0.00			0.40	0.00		
8	no work	Sqm	1	0.00			0.40	0.00		
8	road break	Sqm	1	0.00			0.40	0.00		
5	no work	Sqm	1	0.00			0.40	2.24		
1		Sqm	1	5.60			0.40	0.00		
12	no work	Sqm	1	0.00			0.40	0.00		
25	road break	Sqm	1	0.00			0.40	4.40		
25		Sqm	1	11.00			0.40	0.00		
18	no work	Sqm	1	0.00			0.40	0.00		
15	road break	Sqm	1	0.00			0.40	3.12		
13		Sqm	1	7.80			0.40	0.00		
13	no work	Sqm	1	0.00			0.40	5.04		
19		Sqm	1	12.60			0.40			
	LHS									
9		Sqm	1	23.90			0.40	9.56		
1	road break	Sqm	1	0.00			0.40	0.00		
8		Sqm	1	23.80			0.40	9.52		
5	road break	Sqm	1	0.00			0.40	0.00		
1	no work	Sqm	1	0.00			0.40	0.00		



B. Srinivas
Assistant Engineer

Assistant Executive Engineer

Measurements Taken On :

MEASUREMENT SHEET

Third and part bill

Third and part bill												
Sl. No.	Description of Item	Unit	No	Length	Breadth			Depth	Quantity	Rate in RS.	Amount in RS.	
				(m)	B1	B2	Avg B	(m)				
92		Sqm	1	15.00				0.40	6.00			
To		Sqm	1	15.00				0.40	6.00			
105		Sqm	1	14.00				0.40	5.60			
120		Sqm	1	0.00				0.40	0.00			
134	no work	Sqm	1	11.90				0.40	4.76			
46.4		Sqm	1	0.00				0.40	0.00			
58.3	no work	Sqm	1	15.00				0.40	6.00			
70.9		Sqm	1	15.00				0.40	6.00			
35.9		Sqm	1	15.00				0.40	6.00			
20.9		Sqm	1	15.00				0.40	6.00			
15.9		Sqm	1	15.00				0.40	7.12			
10.9		Sqm	1	17.80				0.40	6.00			
18.7		Sqm	1	15.00				0.40	6.00			
15		Sqm	1	15.00				0.40	6.00			
10		Sqm	1	7.50				0.40	3.00			
7.5									876.00			
									1681.60			
									373.94			
									502.28	89.01	44708.00	
	Total Executed Quantity											
	Tender Quantity											
	DPQ Quantity Paid in 2nd RA Bill											
	Now To be Paid Qty											
16	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Verner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Water in the vicinity, its quality 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc. and as per the directions of the Engineer-in-charge of the work.											
		Each BW							3.00			
	Vide Total executed Quantity from premeasuremet Page no.								3.00			
	Tender Quantity								3.00	4073.93	12222.00	
	Now To be Paid Qty											
7	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strats including over burden. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc., complete and as per the directions of the Engineer-in-charge of the work 0 to 50 m											
		Rmt							150.00			
	Vide Total executed Quantity from premeasuremet Page no.								150.00			
	Tender Quantity								150.00	375.17	56276.00	
	Now To be Paid Qty											
8	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strats including over burden. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc., complete and as per the directions of the Engineer-in-charge of the work 50 to 100 m											
		Rmt							150.00			
	Vide Total executed Quantity from premeasuremet Page no.								150.00			
	Tender Quantity								150.00	477.89	71684.00	
	Now To be Paid Qty											
1	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strats including over burden. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc., complete and as per the directions of the Engineer-in-charge of the work 100 to 150 m											
		Rmt							150.00			
	Vide Total executed Quantity from premeasuremet Page no.								150.00			
	Tender Quantity								150.00	493.02	73953.00	
	Now To be Paid Qty											



Assistant Engineer

Assistant Executive Engineer

Measurements Taken On :

MEASUREMENT SHEET

Third and part bill

Page No.	To	Description of Item	Unit	No	Length			Breadth			Depth (m)	Quantity	Rate in RS.	Amount in RS.
					(m)			B1	B2	Avg B				
No.20		Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strats including over burden. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc., complete and as per the directions of the Engineer-in-charge of the work 150 to 200 m	Rmtr									150.00		
		Vide Total executed Quantity from premeasuremet Page no.										150.00	579.52	86928.00
		Tender Quantity										150.00		
		Now To be Paid Qty										150.00		
No.21		Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strats including over burden. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc., complete and as per the directions of the Engineer-in-charge of the work 200 to 250 m	Rmtr									150.00		
		Vide Total executed Quantity from premeasuremet Page no.										150.00	685.48	102822.00
		Tender Quantity										150.00		
		Now To be Paid Qty										150.00		
No.22		Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strats including over burden. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc., complete and as per the directions of the Engineer-in-charge of the work 250 to 300 m	Rmtr									150.00		
		Vide Total executed Quantity from premeasuremet Page no.										150.00	756.83	113525.00
		Tender Quantity										150.00		
		Now To be Paid Qty										150.00		
No.23		Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CME & above in all strats including over burden. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc., complete and as per the directions of the Engineer-in-charge of the work 300 to 350 m	Rmtr									150.00		
		Vide Total executed Quantity from premeasuremet Page no.										150.00	891.98	133792.00
		Tender Quantity										150.00		
		Now To be Paid Qty										150.00		
No.24		Providing and fixing to wall, ceiling and floor galvanised / mild steel tube nominal bore with fittings (medium grade weight 1.27kg/mtr) B class including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification and as per the directions of the Engineer-in-charge of the work.	Rmtr									1032.00		
		Vide Total executed Quantity from premeasuremet Page no.										1035.00	569.69	587921.00
		Tender Quantity										1032.00		
		Now To be Paid Qty										1032.00		
No.25		Supply of ISI Mark nominal bore, plain end steel casing pipe-grade of steel Fe 410 of wall thickness conforming to IS 4270-2001 and latest amendments, electrical resistance welded steel tube material and conforming to IS 1387-1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7m. Both ends threaded conforming to IS 554-1985, one end fixed with socket conforming to IS 42702001 and the other end with screwed pipes. All pipes shall be reasonably free from defects. The tubes shall be reasonably straight and should be with ISI marking weighing 25.10kg/m. (exclusive of all taxes and duties). Prices include Collar-Medium duty and directions as per Engineer in charge of work.	Rmtr									180.00		
		Vide Total executed Quantity from premeasuremet Page no.										180.00	1432.58	257865.00
		Tender Quantity										180.00		
		Now To be Paid Qty										180.00		



Assistant Engineer

ಸಹಾಯಕ ಮುಖ್ಯಮಂತ್ರಿ
ಯಲಕಂಠ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ. ಸರ್ಕಾರಿ ಕಾಲೇಜು-106

Measurements Taken On :
MEASUREMENT SHEET

Third and part bill

Page No	Description of Item	Unit	No	Length (m)	Breadth			Depth (m)	Quantity	Rate in RS.	Amount in RS.
					B1	B2	Avg B				
26	Providing and fixing MS casing collars as per IS 1239 (part-II) 1982 with all latest amendments if any for any dia. The thickness of plate used for covering one end shall be 3mm (minimum). The dimensions of caps and collars shall be strictly as per IS 1239 (Part II) 1982 with all amendments and directions as per Engineer in charge of work.	Each							33.00		
	Vide Total executed Quantity from premeasuremet Page no.								33.00		
	Tender Quantity								33.00	162.18	5352.00
	Now To be Paid Qty										
27	Providing and laying at site of work MS casing caps as per IS 1239 (part-II) 1982 with all latest amendments if any for any dia. The thickness of plate used for covering one end shall be 3mm (minimum). The dimensions of caps and collars shall be strictly as per IS 1239 (Part-II) 1982 with all amendments including cost of material and labour charges for fixing, if any etc. complete with all lead and lifts and directions as per Engineer in charge of work.	Each							3.00		
	Vide Total executed Quantity from premeasuremet Page no.								3.00		
	Tender Quantity								3.00	108.12	325.00
	Now To be Paid Qty										
28	Submersible Cable 1x3x10.0 Sq.mm and as per the directions of the Engineer-in-charge of the work.	Mtr							2070.00		
	Vide Total executed Quantity from premeasuremet Page no.								2070.00		
	Tender Quantity								2070.00	244.79	506716.00
	Now To be Paid Qty										
29	Borewell Cap & Clamp Set and directions as per Engineer in charge of work.	Each							3.00		
	Vide Total executed Quantity from premeasuremet Page no.								3.00		
	Tender Quantity								3.00	2002.83	6009.00
	Now To be Paid Qty										
30	Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications and directions as per Engineer in charge of work.	Rmtr							60.00		
	Vide Total executed Quantity from premeasuremet Page no.								60.00		
	Tender Quantity								60.00	1758.04	105483.00
	Now To be Paid Qty										
31	15HP/11kW 15 Stage (submersible Three Phase 6 inch/150mm and as per the directions of the Engineer-in-charge of the work.	Nos							3.00		
	Vide Total executed Quantity from premeasuremet Page no.								3.00		
	Total Executed Quantity								1.00		
	Tender Quantity								1.25	59203.58	74005.00
	Qty Upto 125%								1.75	59203.58	103607.00
	Qty Above 125%										
32	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws 20"x20"x2 5" and directions as per Engineer in charge of work.	Each							3.00		
	Vide Total executed Quantity from premeasuremet Page no.								3.00		
	Tender Quantity								3.00	306.51	920.00
	Now To be Paid Qty										
33	Supplying of 11 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-I) or IS-7098 Part-I, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 16 sqmm and directions as per Engineer in charge of work.	Mtr							45.00		
	Vide Total executed Quantity from premeasuremet Page no.								45.00		
	Tender Quantity								45.00	157.46	7086.00
	Now To be Paid Qty										



Author

PMC

[Signature]
Assistant Engineer

[Signature]
ಸಹಾಯಕ ಕಾರ್ಯದರ್ಶಿ, ಅಧೀನಪಡೆ
ಯು.ಪ.ಸ.ಕ. ಉಪನಗರ ಉಪವಿಭಾಗ.
ಇ.ಬಿ.ಎಂ.ಸಿ., ಬೆಂಗಳೂರು-106

Measurements Taken On :
MEASUREMENT SHEET

MEASUREMENT SHEET										
Third and part bill										
Image To	Description of Item	Unit	No	Length	Breadth		Depth	Quantity	Rate in	Amount in
				(m)	B1	B2	Avg B		(m)	RS.
No.34	Sabour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required 6 sqmm to 16 sqmm and directions as per Engineer in charge of work.	Mtr							45.00	
	Vide Total executed Quantity from premeasuremet Page no.								45.00	562.00
	Tender Quantity								45.00	12.47
	Now To be Paid Qty									
No.35	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete. and directions as per Engineer in charge of work.	Mtr							45.00	
	Vide Total executed Quantity from premeasuremet Page no.								45.00	5338.00
	Tender Quantity								45.00	118.62
	Now To be Paid Qty									
No.36	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV. and directions as per Engineer in charge of work.	Mtr							12.00	
	Vide Total executed Quantity from premeasuremet Page no.								12.00	4220.00
	Tender Quantity								12.00	351.65
	Now To be Paid Qty									
No.37	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. and as per the directions of the Engineer-in-charge of the work.	Nos							3.00	
	Vide Total executed Quantity from premeasuremet Page no.								3.00	851.00
	Tender Quantity								3.00	283.42
	Now To be Paid Qty									
No.38	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 12 mm dia and directions as per Engineer in charge of work.	Nos							3.00	
	Vide Total executed Quantity from premeasuremet Page no.								3.00	9447.00
	Tender Quantity								3.00	3148.79
	Now To be Paid Qty									
No.39	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. 32 Amps and directions as per Engineer in charge of work.	Nos							6.00	
	Vide Total executed Quantity from premeasuremet Page no.								6.00	1096.00
	Tender Quantity								6.00	182.65
	Now To be Paid Qty									
No.40	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898 and directions as per Engineer in charge of work.	Nos							1.00	
Measurements taken on									1.00	
	madeshwara layout, Doddbetthalalli	Nos	1						1.00	
	Spandana nilaya house Road, Ananthapura Road	Nos	1						1.00	
	Dharmasiddi house Road, Aditya nagara	Nos	1						3.00	
	Total Executed Quantity								3.00	1800.24
	Tender Quantity									
	Now To be Paid Qty									



Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಧ್ಯಯನ
ಯಲಹೂರು ಉಪನಗರ ಉಪವಿಭಾಗೀಶ್ವರ
ಜಿಲ್ಲಾಪಂಚಾಯತ್, ಬೆಂಗಳೂರು
Executive Engineer

(Ward No. 1)

Measurements Taken On :

MEASUREMENT SHEET

Third and part bill

Third and part bill													
No	Description of Item	Unit	No	Length			Breadth			Depth (m)	Quantity	Rate in RS.	Amount in RS.
				(m)	B1	B2	Avg B						
No.41	Fabricating supplying and mounting MS box made out 16SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete. and directions as per Engineer in charge of work.												
	30.09.2021.												
	madeshwara layout, Doddpettahalli	Sqcm	1	1080.00	20.00	20.00	20.00				21600.00		
	Spandana nilaya house Road,Ananthpura Road	Sqcm	1	1080.00	20.00	20.00	20.00				21600.00		
	Dharmasiddi house Road,Aditya nagara	Sqcm	1	1080.00	20.00	20.00	20.00				21600.00		
	Total Executed Quantity										64800.00		
	Tender Quantity										64800.00		
	Now To be Paid Qty										64800.00	0.37	23976.00
No.42	Supply and Installation / Fixing / Provision of Outdoor type Thermoplastic Modular Panel enclosure with transparent Polycarbonate Lid, shock proof, IP65 (Weather Proof), rust proof, dust proof, water proof, corrosion proof having internally Embedded gasket on both lid and flap suitable to fix Single Phase / Three Phase Energy Meter in suitable base plate and having a provision for Fuse / MCB cutout with suitable transparent hinged flap opening for operating MCB along with complete tamper proof SEALING facility 600mmx600mmx170mm and directions as per Engineer in charge of work.												
		Nos									3.00		
	Vide Total executed Quantity from premeasuremet Page no.										3.00		
	Tender Quantity										3.00	12681.43	38045.00
	Now To be Paid Qty												
No.43	Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and directions as per Engineer in charge of work.												
	30.09.2021.												
	madeshwara layout, Doddpettahalli	Nos	1								1.00		
	Spandana nilaya house Road,Ananthpura Road	Nos	1								1.00		
	Dharmasiddi house Road,Aditya nagara	Nos	1								1.00		
	Total Executed Quantity										3.00		
	Tender Quantity										3.00		
	Now To be Paid Qty										3.00	1478.89	4440.00
No.44	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete 50 mm dia. and directions as per Engineer in charge of work.												
		Nos									3.00		
	Vide Total executed Quantity from premeasuremet Page no.										3.00		
	Tender Quantity										3.00	233.66	701.00
	Now To be Paid Qty												
No.45	Earth work excavation by manual means for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, and directions as per Engineer in charge of work.												
		Cum									1054.62		
	Vide Total executed Quantity from premeasuremet Page no.										1108.80		
	Tender Quantity										1054.62	332.69	350862.00
	Now To be Paid Qty												



Assistant Engineer

Assistant Executive Engineer

Contractor

Measurements Taken On :											
MEASUREMENT SHEET											
Third and part bill											
Page No	Description of Item	Unit	No	Length	Breadth			Depth	Quantity	Rate in	Amount in
				(m)	B1	B2	Avg B	(m)		RS.	RS.
No.46	Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq cm working pressure of outside diameter raising mains & exposed distribution pipes with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM and testing complete as per specifications and directions as per Engineer in charge of work.	Mtr									
	Vide Total executed Quantity from premeasuremet Page no.								2511.00		
	Tender Quantity								2640.00		
	Now To be Paid Qty								2511.00	413.92	1039354.00
No.47	Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. and directions as per Engineer in charge of work.	Cum									
	Vide Total executed Quantity from premeasuremet Page no.								376.65		
	Tender Quantity								1921.90		
	Now To be Paid Qty								376.65	2100.74	791244.00
No.48	Refilling available earth around pipelines, cables in layers not exceeding 20cms in depth compacting each deposited layers by ramming after watering lead upto 50m and lift upto 1.5m including cost of labour complete as per specification and directions of Engineer in charge.	Cum									
	Vide Total executed Quantity from premeasuremet Page no.								677.97		
	Tender Quantity								712.80		
	Now To be Paid Qty								677.97	134.63	91276.00
No.49	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 65mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification and directions as per Engineer in charge of work.										
30.09.2021.											
	madeshwara layout, Doddbetahalli	No	4						4.00		
	Spandana nilaya house Road, Ananthpura Road	No	4						4.00		
	Dharmasiddi house Road, Aditya nagara	No	4						4.00		
	Total Executed Quantity								12.00		
	Tender Quantity								12.00		
	Now To be Paid Qty								12.00	2399.97	28080.00
m No.51	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications and directions of Engineer in charge.	Cum									
	Vide Total executed Quantity from premeasuremet Page no.								72.71		
	Tender Quantity								389.39		
	Now To be Paid Qty								72.71	1000.30	72733.00
Sub Total										18543425.00	
For 12% Applicable GST										2225211.00	
Total Amount										20768636.00	



Contractor

PMC

B. Manjunath
Assistant Engineer

R. K. C.
ಸಹಾಯಕ ಕಾರ್ಯದರ್ಶಿ, ಸರ್ಕಾರಿ ಕಾರ್ಯಾಲಯ
ಯಶವಂತರಾಯ, ಬೆಂಗಳೂರು-108
ಸಿ.ಇ.ಎಂ.ಡಿ. ಬೆಂಗಳೂರು-108